

What is claimed is:

1. An apparatus for assembling first and second mold parts having contact lens
5 forming surfaces, wherein said first mold part has a reaction mixture on said contact lens
forming surface, said apparatus comprising movement preventing means which prevents
said first mold part from moving while said second mold part is controllably moved from a
first position wherein said second mold part is not in contact with said reaction mixture on
said first mold part to a position wherein the majority of said contact lens forming surface
10 of said second mold part has been wetted by said reaction mixture on said first mold part.
2. The apparatus of claim 1 wherein said movement preventing means comprises a
vacuum.
- 15 3. The apparatus of claim 1 wherein said movement preventing means comprises
mechanical means.
4. The apparatus of claim 1 wherein said movement preventing means comprises
moveable mechanical means.
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5. The apparatus of claim 1 wherein said movement preventing means comprises
fingers.
6. The apparatus of claim 1 wherein said movement preventing means comprises
25 weight.
7. The apparatus of claim 1 wherein said apparatus moves said first mold part from
said first position to said second position at a speed of less than 0.35 mm/sec.
- 30 8. The apparatus of claim 1 wherein said first mold part is moved at a speed of from
0.1 to 0.3 mm/sec.

9. An apparatus for assembling first and second mold parts having contact lens forming surfaces, wherein said first mold part has a reaction mixture on said contact lens forming surface, said apparatus comprising a nozzle which controllably moves a second mold part from a first position wherein said second mold part is not in contact with said reaction mixture on said first mold part to a position wherein the majority of said contact lens forming surface of said second mold part has been wetted by said reaction mixture on said first mold part, wherein said nozzle travels at a speed of less than 1 mm/sec from said first position to said second position.

10. The apparatus of claim 9 wherein said nozzle travels at a speed less than 0.35 mm/sec.

11. A method for assembling first and second mold parts having contact lens forming surfaces, wherein said first mold part has a reaction mixture on said contact lens forming surface, said method comprising the step of: preventing said first mold part from moving while controllably moving said second mold part from a first position wherein said second mold part is not in contact with said reaction mixture on said first mold part to a position wherein the majority of said contact lens forming surface of said second mold part has been wetted by said reaction mixture on said first mold part.

12. The method of claim 11, wherein said step of preventing said first mold part from moving is accomplished by holding said first mold part by using a vacuum source.

13. The method of claim 11, wherein said step of preventing said first mold part from moving is accomplished by holding said first mold part by using mechanical fingers.

14. The method of claim 11 wherein said step of preventing said first mold part from moving is accomplished by holding said first mold part by using a vacuum.

15. The method of claim 11 wherein said step of preventing said first mold part from moving is accomplished by holding said first mold part by using mechanical means.

16. The method of claim 15 wherein said step of preventing step said first mold part
5 from moving is accomplished by moving mechanical means onto said first mold part.

17. The method of claim 11 wherein said step of preventing step said first mold part from moving is accomplished by applying weight to said first mold part.

10 18. The method of claim 11 wherein said controllably moving step is performed at a speed of less than 0.35 mm/sec.

19. A method for assembling first and second mold parts having contact lens forming surfaces, wherein said first mold part has a reaction mixture on said contact lens forming
15 surface, said method comprising the step of: assembling the first and second mold parts at a speed of less than 0.35 mm/sec.